

Differential Normalized Emission 1610 nm (dB)

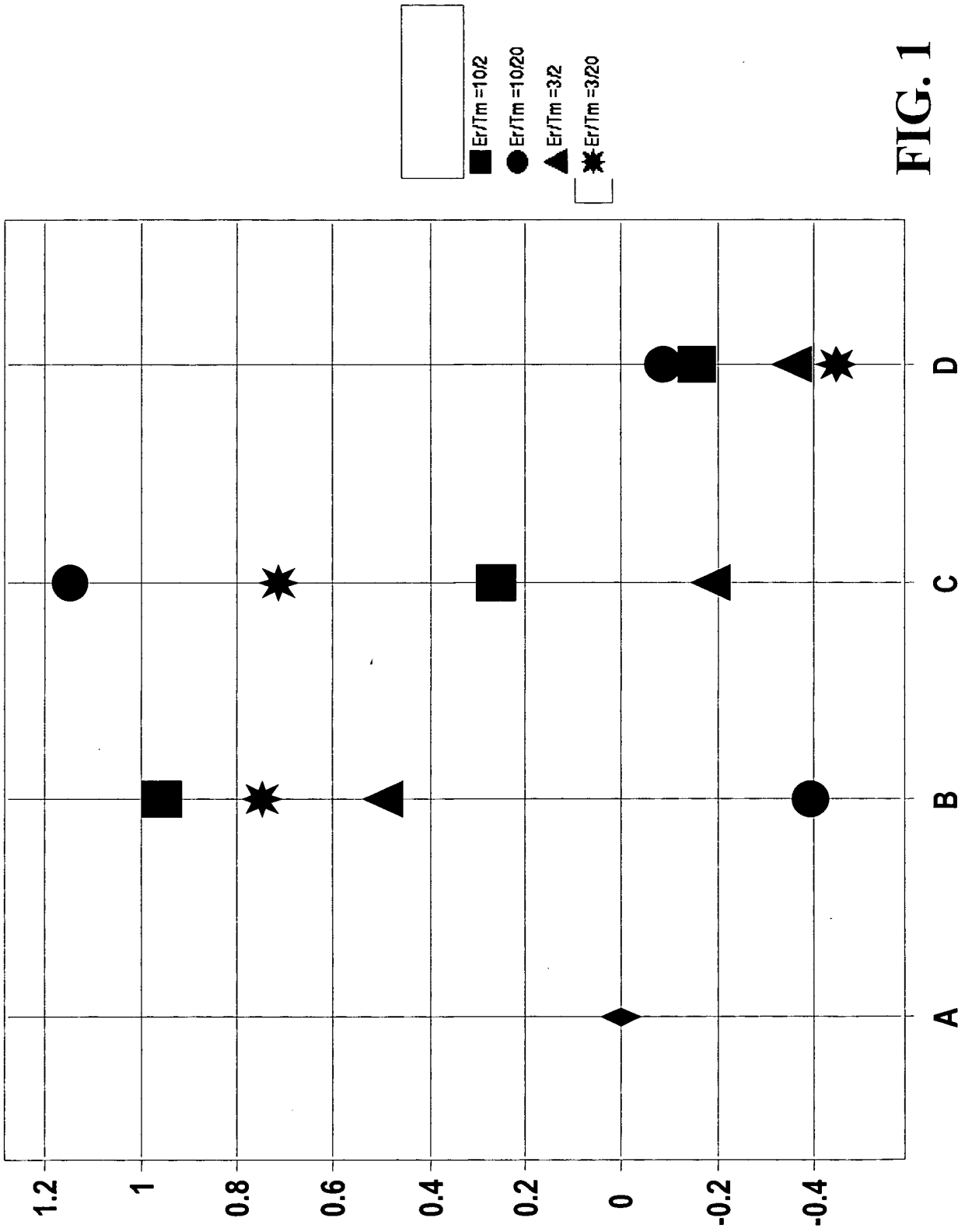


FIG. 1

Docket No./Serial No. (if known): 57421US002
 Inventor(s): Mark T. Anderson, Craig R. Schardt, James R. Onstott, and Kent Budd
 Title: A METHOD FOR MANUFACTURING SILICATE WAVEGUIDE COMPOSITIONS FOR EXTENDED L-BAND AND S-BAND AMPLIFICATION

Differential Normalized Emission 1630 nm (dB)

Docket No./Serial No. (if known): 57421US002
 Inventor(s): Mark T. Anderson, Craig R. Schardt, James R. Onstott, and Kent Budd
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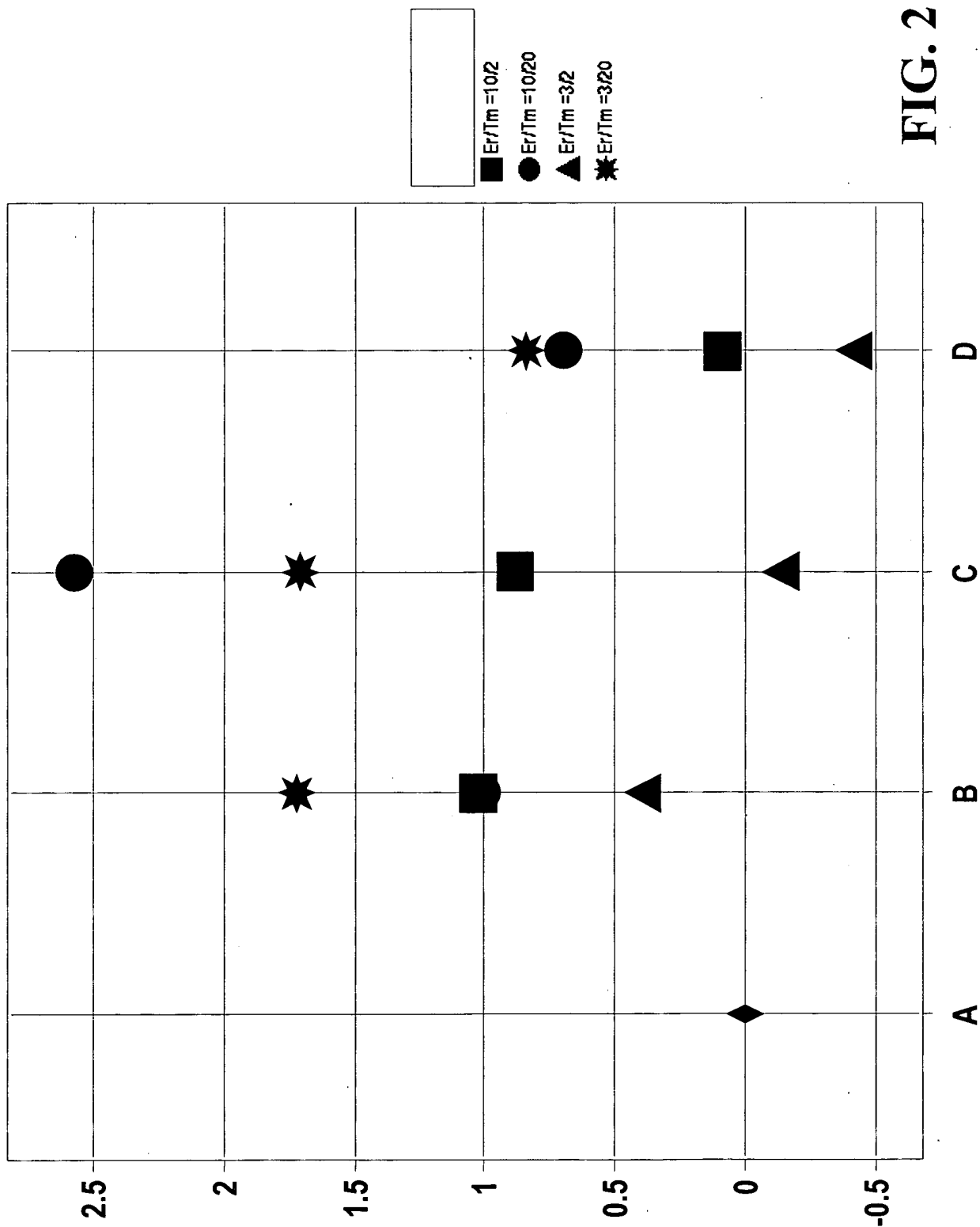


FIG. 2

Differential Normalized Emission 1650 nm (dB)

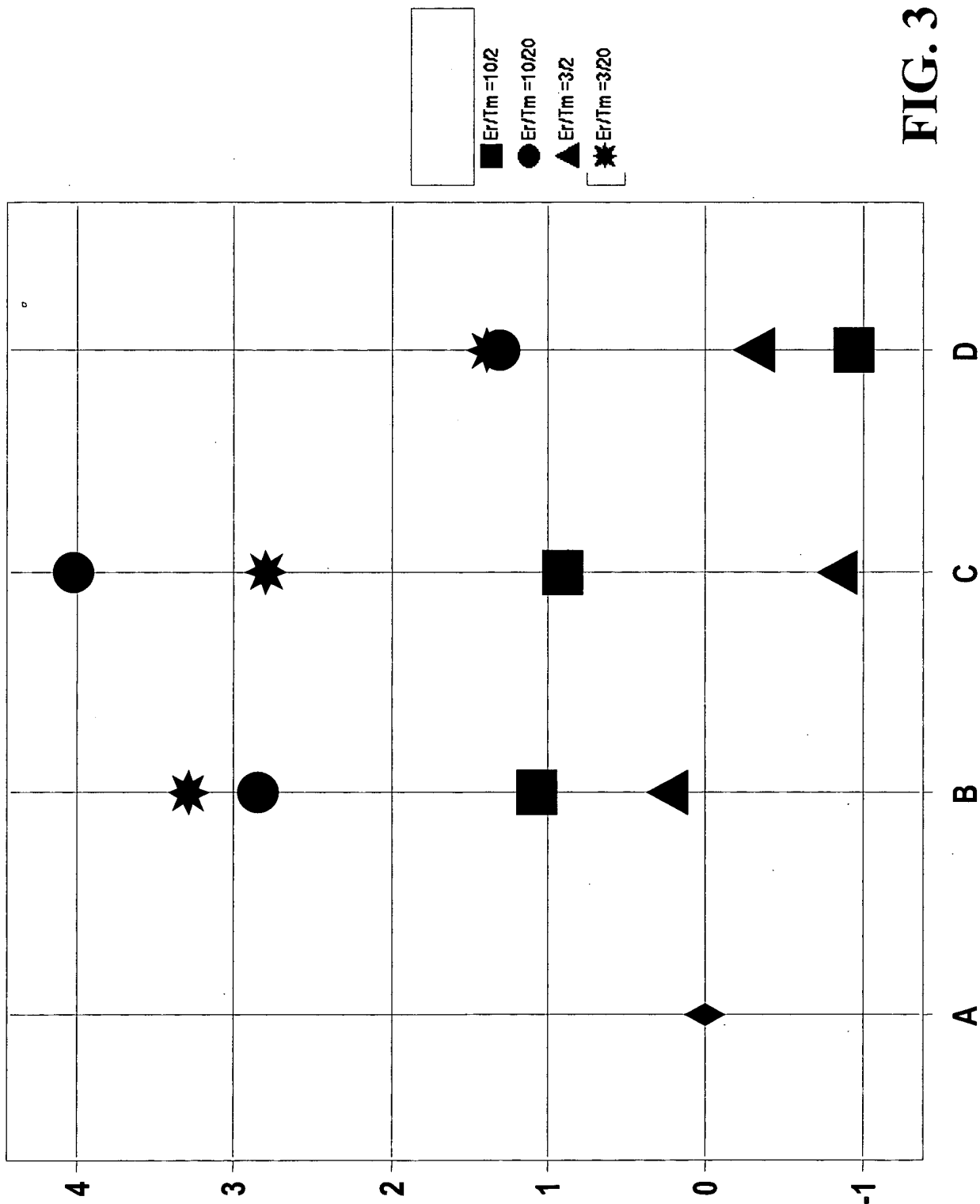


FIG. 3

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Average Lifetimes vs Host and Er/Tm Ratios

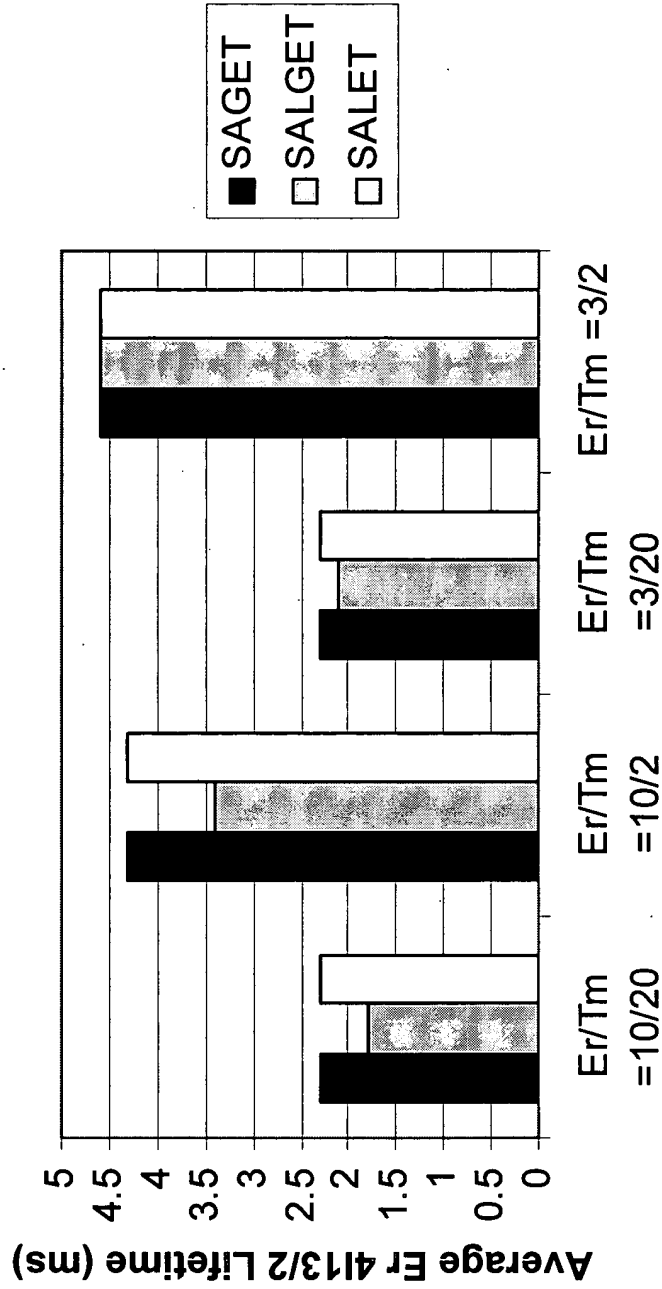


FIG. 4

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 Differential Normalized Emission at 1630 nm (dB)

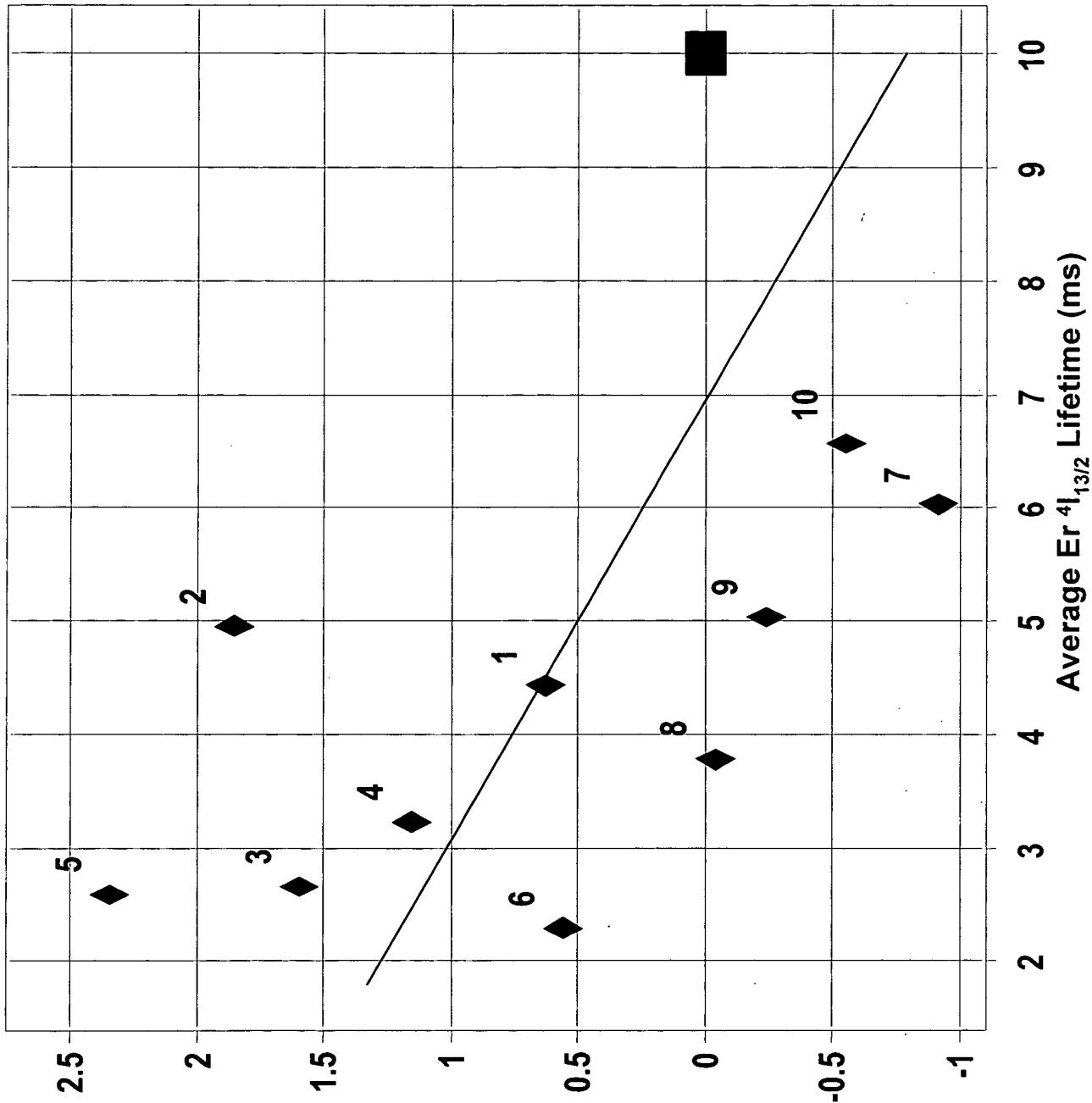


FIG. 5

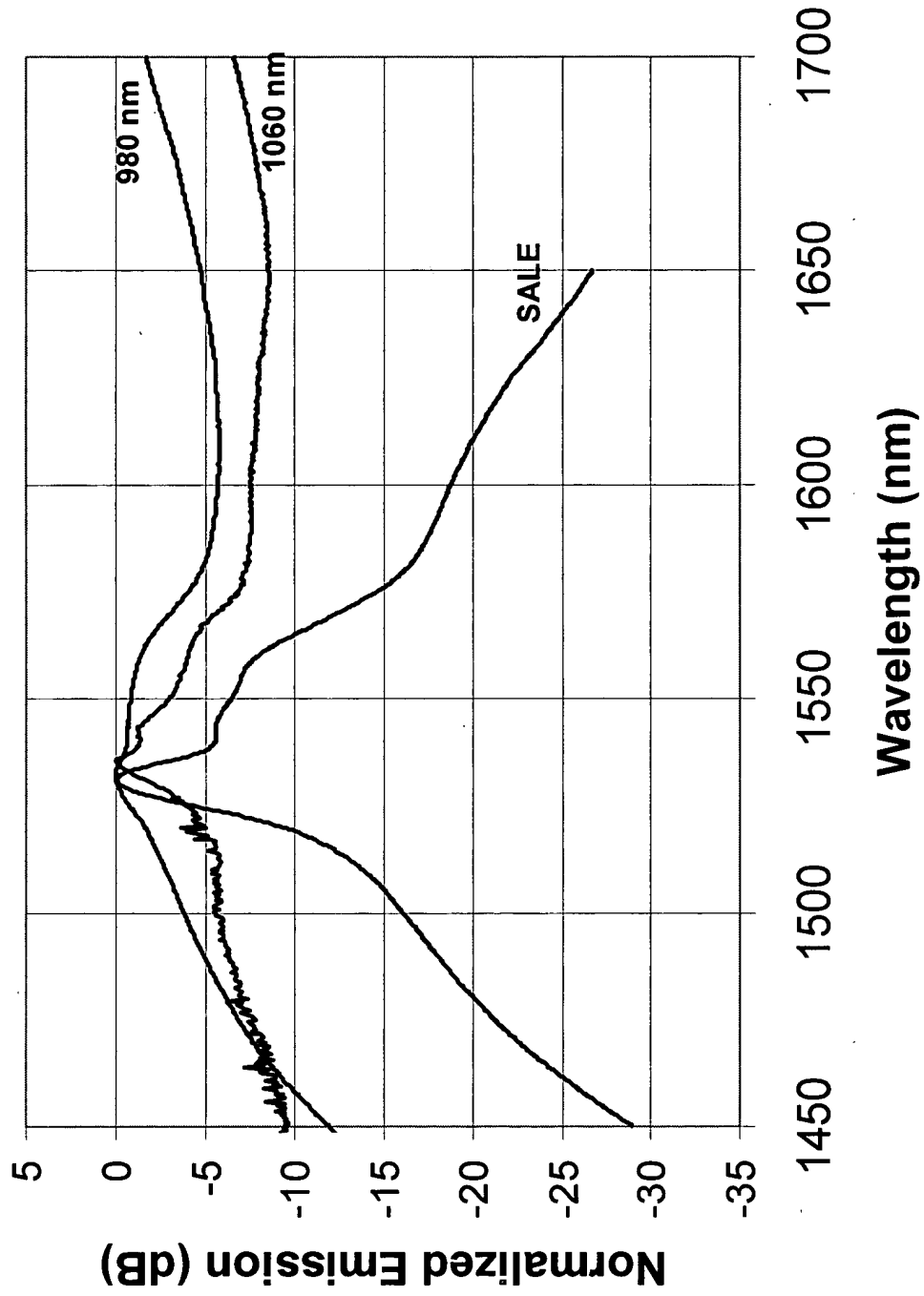
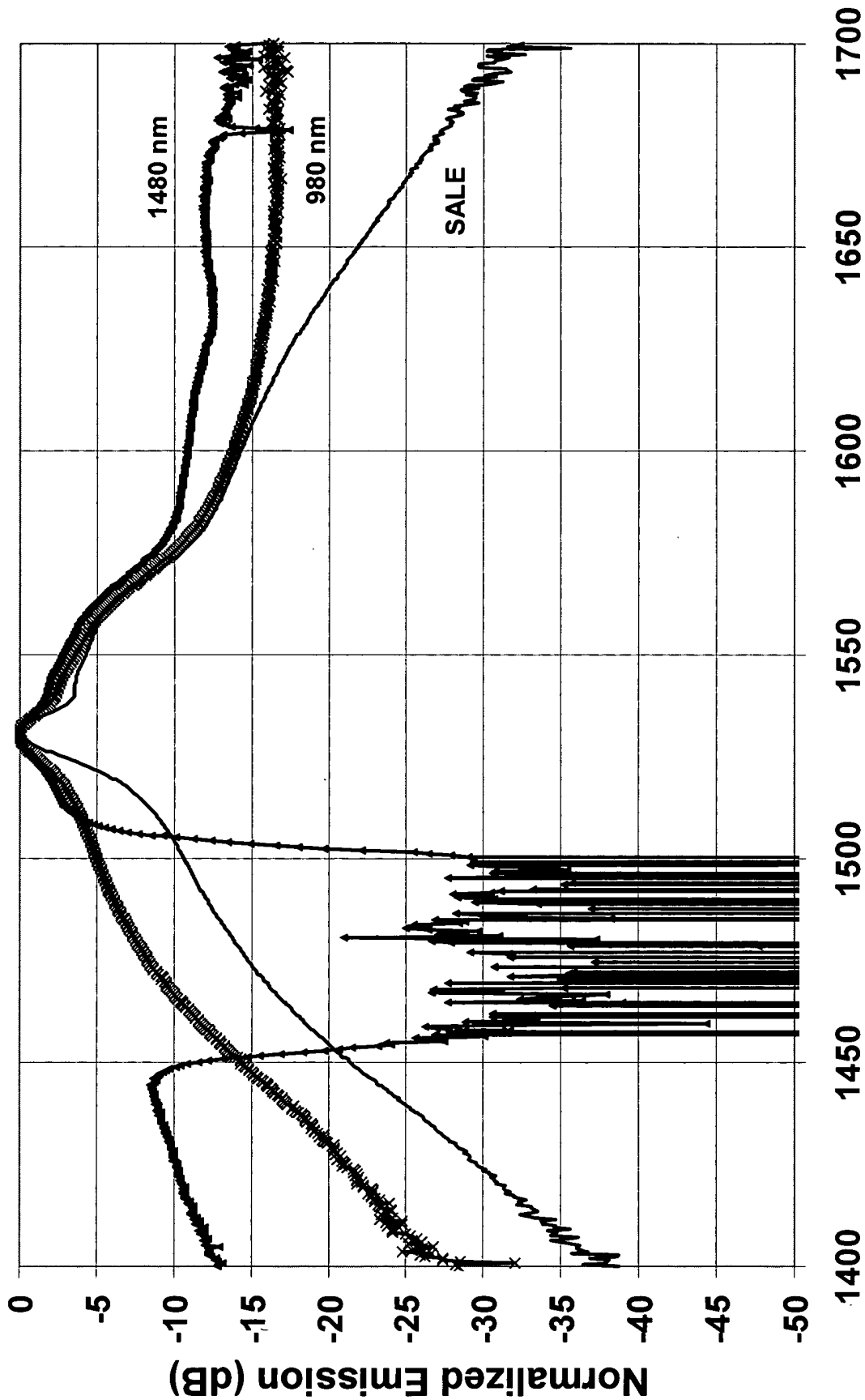


FIG. 6

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Wavelength (nm)

FIG. 7

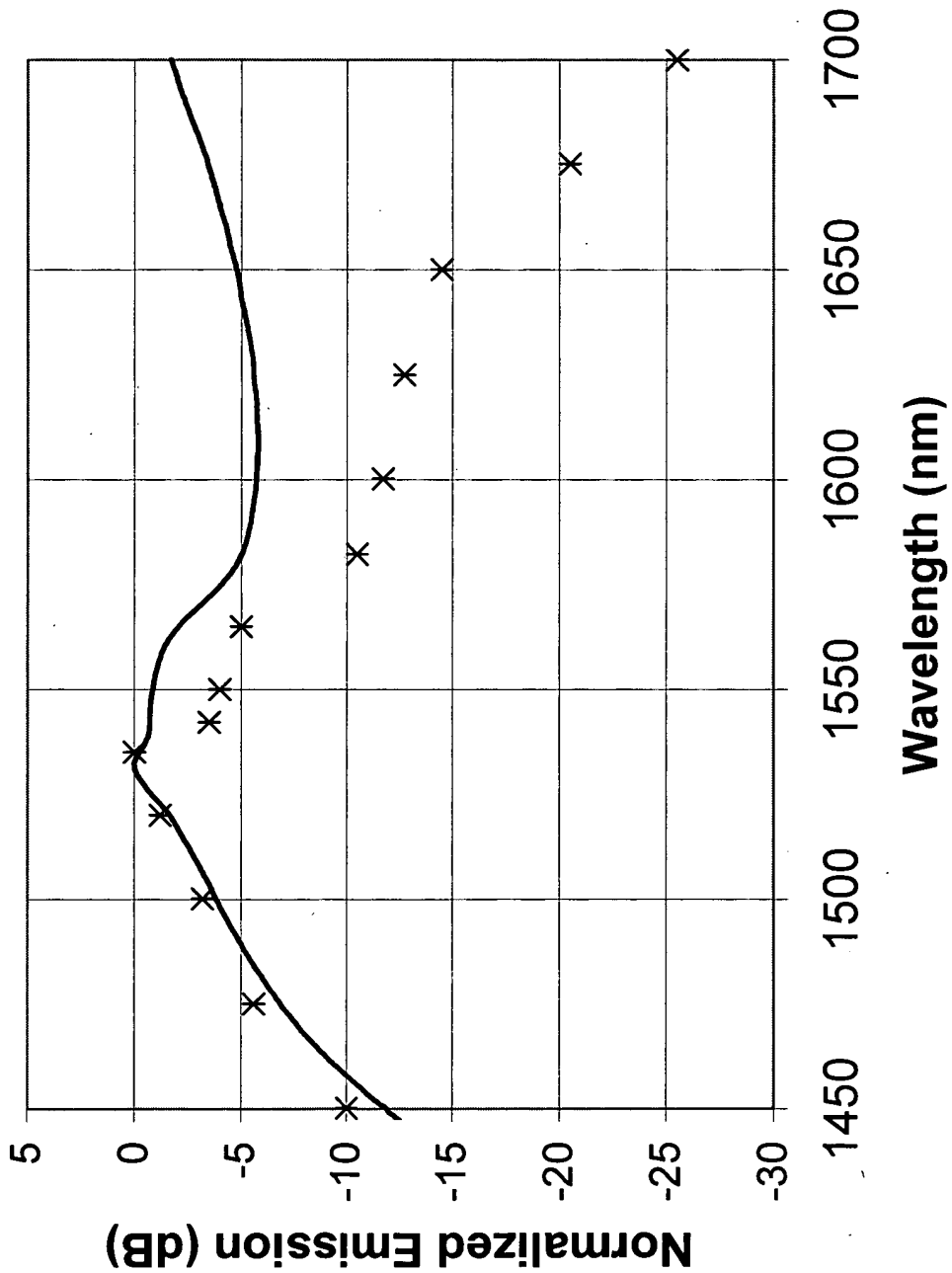


FIG. 8

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